IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.

: 10/517,338

Applicant Filed : WARNAAR et al : December 9, 2004

TC/A.U. Examiner : 1642 : Catherine Joyce

Docket No. Customer No. : Catherine Jo

Customer No.
Confirmation No.

: 6449 : 2944

RULE 1.132 DECLARATION

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

We, Stefan Ullrich and Sven Warnaar, declare as follows:

- That, Stefan Ullrich and Sven Warnaar are co-inventors of the subject matter described and claimed in the United States Patent Application Serial No. 10/517,338, filed on December 9, 2004, entitled "Co-administration of CG250 and IL-2 or IFN-α for Treating Cancer Such As Renal Cell Carcinomas".
- 2. That, Stefan Ullrich and Sven Warnaar are co-authors of an article entitled "A Phase II Trial with Monoclonal Antibody WX-250 in Advanced Renal Cell Carcinome", European Urology Supplements, vol. 1, No. 1, January 2002, page 112. This document is, and has been, referred to as "the Bluemer document" or "Bluemer" during the course of prosecution of United States Patent Application Serial No. 10/517.338.

- That, Stefan Ullrich and Sven Warnaar are co-inventors of the subject matter disclosed in this publication and co-inventors of the subject matter disclosed and claimed in the present application.
- 4. That the above publication entitled "A Phase II Trial with Monoclonal Antibody WX-250 in Advanced Renal Cell Carcinoma" refers to a monotherapy without the co-administration of any other drug or compound.
- 5. That a skilled artisan would recognize the above publication entitled "A Phase II Trial with Monoclonal Antibody WX-250 in Advanced Renal Cell Carcinoma" as teaching a treatment of renal cell carcinoma with the G250 antibody as a "second-line" treatment, meaning that the group of 22 patients who received a first treatment of either interferon-α or interleukin-2 were progressive afterwards because the treatment of renal cell carcinoma with either interferon-α or interleukin-2 was found to not be efficacious. Otherwise, the patients would not have needed a further, and different, treatment.
- 6. That, the claims of United States Patent Application Serial No. 10/517,338 are drawn to a co-administration of an antitumor antibody (e.g. G250) and interferon (e.g. interferon-α). That this co-administration of G250 and interferon-α leads to an increased efficacy in the treatment of renal cell carcinoma as compared to administration of either G250 or interferon-α alone along with a reduction in side effects. The increased efficacy is due to a synergistic effect from the co-administration of the anti-tumor antibody and an interferon. This synergistic effect could not have been predicted from the disclosure in Bluemer which discloses only a monotherapy.

- 7. That data regarding the increased has been presented at: 1) the UAU Meeting that took place in Anaheim, California from May 19, 2007 to May 23, 2007; 2) the ASCO meeting that took place in Chicago, Illinois from June 1, 2007 to June 5, 2007; and 3) the UCS meeting that took place on October 12-23, 2007. This data is included in Appendix A.
- 8. That the data shows that a combination therapy of G250 and IFN-α has increased efficacy as compared to a G250 monotherapy as disclosed in Bluemer.
- 9. The undersigned further declares that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent Issuing thereon.

by	John	Feb 02,	5008
	Stefan Ullrich	Date	
	Sven Warnaar		

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/517,338

Applicant : WARNAAR et al Filed : December 9, 2004

TC/A.U.: 1642 Examiner: Catherine Joyce Docket No.: 2923-672

Docket No. : 2923-Customer No. : 6449

Confirmation No. : 2944

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Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

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12 Feb 200 8

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- 4. That the above publication entitled "A Phase II Trial with Monoclonal Antibody WX-250 in Advanced Renal Cell Carcinoma" refers to a monotherapy without the co-administration of any other drug or compound.
- 5. That a skilled artisan would recognize the above publication entitled "A Phase II Trial with Monoclonal Antibody WX-250 in Advanced Renal Cell Carcinoma" as teaching a treatment of renal cell carcinoma with the G250 antibody as a "second-line" treatment, meaning that the group of 22 patients who received a first treatment of either interferon-a or interleukin-2 were progressive afterwards because the treatment of renal cell carcinoma with either interferon-a or interleukin-2 was found to not be efficacious. Otherwise, the patients would not have needed a further, and different, treatment.
- 6. That, the claims of United States Patent Application Serial No.

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/ If subsect

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by

Stefan Ulkich

Date

Sven Warnaar

Date /2 -02 - 2--> ?

145924

AUA Meeting on 19-23 May 07 in Anaheim

UPDATE OF SURVIVAL DATA FOR TWO PHASE II STUDIES WITH MONOCLONAL ANTIBODY CG250 (RENCAREX $^{\circ}$) IN COMBINATION WITH IL-2 OR IFN α -2A IN METASTATIC RENAL CELL CARCINOMA PATIENTS

N. Neville¹, P. Kloepfer¹, P. Bevan¹, C. Mala¹, J Beck², R. Hofmann³, M. Kindler⁴, P. Mulders⁵, M. Siebels⁶, R. Oberneder⁷

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Department of Urology, University Medical, Center Nijmegen, Netherlands

Department of Urology, Klinikum Großhadern, Ludwig-Maximillans-University, Munich, Germany

Department of Urology, Klinikum Großhadern, Ludwig-Maximilians-University, Munich, Germany

Department of Urology, Klinikum Großhadern, Ludwig-Maximilians-University, Munich, Germany

Background:

cG250 is a chimeric monoclonal antibody of the IgG1 subtype that binds to the cell surface antigen of carboxyanhydrase IXMN antigen found on 95% of clear cell Renal Cell Cancer Cells (ccRCC) cells but not on normal kidney tissue.

Two multi-center, open-label, prospective, single-arm phase I/II trials have been performed. G250 was combined with low dose (LD) Interleukin 2 (I.c.) or with LD interferon (IFN) α-2a evaluating the safety and efficacy in patients with metastatic coRCC.

This abstract provides updated survival and clinical data of these combination studies with cG250.

Methods:

Patients with stage IV ccRCC, nephrectomized for the primary tumor, and in progression at study entry were included in the study-in both trials oG250 was administered intravenously weekly from week 2 to 2. In addition, patients were treated with low dose cytokine treatment from week 1 to 12. At week 16 patients evaluated for clinical response were stratified into 2 groups: a) clinical responders into the extended treatment group to receive treatment for an additional 6 weeks, or b) clinical non-responders into the discontinued group.

Results:

In the combination study with It.2 35 patients were treated. One out of 30 evaluable patients showed partial remission for at least 8 months. 11 patients had stable disease in week 16; of which 6 patients had durable stable disease of 24 weeks or longer. Clinical benefit, defined as the sum of complete or partial responses and patients with stable disease of 2 24 weeks, was obtained in 23% (7730) patients. Newest data showed a median overall survival of 22 months and a 2 year survival of 45%. Patients receiving extended treatment showed a longer 2 year survival rate than discontinued patients (55% vs. 25%; c=0.062)

For the IFN combination study 26 out of 31 treated patients were evaluable for response to treatment. Two patients showed partial remission and 14 patients had stable disease in week 16. One patient experienced partial remission for at least 8 months. Nine patients had durable stable disease of 24 weeks or longer. Clinical benefit was obtained in 42% (11/26) patients. The median overall survival achieved was 30 months and the 2 year survival was 57%. Patients receiving extended treatment showed a significantly longer 2 year survival rate than discontinued patients (79% vs. 30%; p=0.0083).

Conclusion:

The treatment with the antibody cG250 in combination with the cytokines IL-2 or IFN α -2a showed clinical meaningful tumor responses and disease stabilizations and are of clinical benefit for this metastatic ccRCC patient population. The long term overall survival data is encouraging and warrants further investigation in controlled randomized studies.

^{*} Temporary name while under development

UPDATE OF SURVIVAL DATA FOR TWO PHASE IIS. JDIES WITH MONOCLONAL ANTIBODY CG2

IN COMBINATION WITH IL-2 OR JENG-28 IN METASTATIC RENAL CELL CARCINOMA PATIENT

R. Hefmann, M. Kindlert, P. Mulderst, M. Siebelst, R. Ober

ntroduction

A phase in study with weekly administrations over 12 weekls. in 36 metasticis RCC patients has shown that 65250 antibody alone is safe when siyen at a dose of 50 mg per week. Clinical benefit was seen in a 5d 5d 2 evaluated patients. (22%), Modian survivel time was 15. 60250 (Rencarex?) is an 1951 keppe light-chain chimeric monoclonal antibody that binds to carbonic anhydrase IX (6250 antigen), a cell-curface entigen ound on 95% of cells in clear cell renal call carchioms RCC). The reactivity of cG250 with normal fissues is estricted to the gastric epithetium and the billary ducts in the liver, astrocydas in the brain and to the sprinel cord. Besides efficient bio-localization in RCC, it has been shown that cG250 can induce NK cells to kill tumor calls an vitro via entibody dependent cellular cytotoxicity ADCC). Two multi-center, open-label, prospective, single-arm phase I/II triels have been performed in combination with syckines. 20 mg of cG250 was combined weekly with who doe LLD) interleadin 2 (LL2) or with LLb interferon (FM) a-2a respectively evaluating the safety and efficiency in patients with metastatic ccRCC.

This abstract provides updated survival and dinical data of these combination studies of LD extekines with the monoclonal entitledy oG250.

Study design

- Two Phase II, prospective, non-randonized, open-label, shaje am, multi-center studies in patients with metashafic ccRCC.
- In the IL-2 combination trial 35 patients, in the IFNe-combination trial 31 patients were enrolled for 12 enrolled for 12 weeks of trastment.
- steaffied into 1) the extended freatment group for an additional 6 weeks of treatment (included non-response patients if further treatment considered clinically useful) or 2) the progressive group with no At week 16 petients were evaluated for response and

Dosing

	,		
L	+02551v-	FN a 54.	L-2 s.o.
Wheek 5	None	Day 1-3-5 (each 3 MU)	1.8 MU dahy, except for biv cidy pulbor of
Week 2- 12	Day 1: 23	Day 1-3-5 (each 3 ML)	5.4 Mildeyfor 3 consecutive days)
L	For expansion	nis with actession	of treatment
West 17	è	:20 Day 1-3-5 (such	

Patient selection

SURVIVAL Floure1).

> Stage IV clear cell RCC, nephrectomized for primary In prograssion at study entry Bi-dimensionally messurable disease with individual leatons x 5 cm in diameter with at least one lesion of x 1 AAIN INCLUSION CRITERIA

Median eurvivel: 22 months

Known standard therapy that is potentially curative folinitely capable of extending life expectancy MAIN EXCLUSION CRITERIA Any CNS metastases

Kamofsky performance status z 80 %

Patients with bone metastases only

Flgure 1

Objectives

The extended treatment group receiving an edicional 8 weeks of treatment aboved a residen survive of 41 months completed with 13 months in the non-response group. Pallents receiving extended treatment with WX-G250 showed a significantly fonger survival rate

than the non-response patients (55% versus 25%; p=0.0062) (Figure

Estended treetment group: Median survival 41 months 2-yr turvival = 55%

Secondary objectives: immunogenicity (human anti-chimenc antibodies - HACA), blological activity (entibody dependent cellular cytotoxicity - ADCC), time response, loadcaty Primary objectives: tumor

Results

alusted in cases of clinical response (stable disease or objective response). All images were evaluated by en independent radiologist, in both studies patients had either tow or intermediate risk based on modified Motzer criteria. tumor response assessment, CT scans at beselfne Further CT scens d weeks 16 and 22 were evaluated. Furthe three monthly intervals after end of less TUMOR RESPONSE

the IL-2 combination study 30 patients were evaluable partial response (PR), 11 patients stable disease (SD). One patient experienced a partial remission for at least 95 seks. 6 patients had long durable disease stabilization (2 with a response and the sum of patients with SD ≥ 24 response to treatment; in week 16 one petient showed weeks). Clinical beneft, defined as the sum of patients

vears.

the IFNα-combination study 26 patients were PR and 14 patients SD in week 16. One patient petients had long durable diseasa stabilization (2.2) weeks). Cinical benefit, defined as the sum of patien experienced a partiel remission for at least 8 months. waluable for response to treatment; 2 pelie ceks, was obtained in 7 patients (23%).

with e response end the sum of patients with SD ≥ 24 weeks, was obtained in 11 patients (42%).

Focused Cancer Therapies group. Petiends receiving extended treatment with WX-G200 showed a significantly longer survival rate than the non-response patients (79% versus 30%, p=0.0083) (Figure 4). The response group receiving extended treatment showed a medien survival of 45 months compared with 10 months in the non-response The IL-2 combination trial data show a median survival of 22 months with 45% of the 30 evaluable patients still silve efter 2 years.

WILEX

Appendix A U.S. Serial Number 10/517,338



Results of phase II studies



Conclusion

p value: 0.0062

 cG250 in contrinsion with IL.2 and EN-o showed en encounting extended of survival with a median overall survival of 22 and 30 months respectively. The demonstrated antitution activity associated with a good clinical benefit rate and a protomped median survival in this difficult-o-treat group of progressive metastatio ranal cell concinous patients wereaft further mediated on. Weekly administrations of 20 mg cG280 combined with low dose cytokings were safe and very well tolerated.

The overall median survival for patients in the IFNo-combination study was 30 months for the 31 patients treated with WX-GS50 (Figure 3) with 57% of patients still alive after 2

STATE OF PERSONS ASSESSED. Andian survival 12 a 2-vr survival= 25%

Figure 2

Phase III Trial Underway

For more information please refer the NCI homepage away, campor gay (study code: Wilex-WX.2003-07-HR) or to childuse unstatements.com. A new clinical study has started to evaluate cG250 versus pleoabs in the adjuvent setting in patients at high risk of recurrence after recent nephrectomy. of this phase III study is 88-IND11346 The IND number

www.wilex.com

ASCO, CHICAGO, 01.-05. JUNE 2007

UPDATE OF SURVIVAL DATA FOR TWO PHASE II STUDIES WITH MONOCLONAL ANTIBODY CG250 (RENCAREX®) IN COMBINATION WITH IL-2 OR IFNα-2A IN METASTATIC RENAL CELL CARCINOMA PATIENTS

N. Nevijle¹, P. Kloepfer¹, P. Bevan¹, C. Mala¹, J Beck², R. Hofmann³, M. Kindler⁴, P. Mulders⁵, M. Siebels⁶, R. Oberneder

Wilex AG. Munich, Germany

² Department of Hematology/Oncolog, Johannes-Gutenberg-Universität Mainz, Germany

Department of Urology, Philipps-University-Marburg, Germany Onkologische Schwerpunktpraxis, Berlin, Germany

Department of Urology, University Medical, Center Nijmegen, Netherlands

Department of Urology, Klinikum Großhadern, Ludwig-Maximilians-University, Munich, Germany

Department of Urology, Klinikum Großhadern, Ludwig-Maximillans-University, Munich, Germany

Background:

cG250 is a chimeric monoclonal antibody of the IgG1 subtype that binds to the cell surface antigen of carboxyanhydrase IX/MN antigen found on 95% of clear cell Renal Cell Cancer Cells (ccRCC) cells but not on normal kidney tissue.

Two multi-center, open-label, prospective, single-arm phase I/II trials have been performed. cG250 was combined with low dose (LD) Interleukin 2 (IL-2) or with LD interferon (IFN) α-2a evaluating the safety and efficacy in patients with metastatic ccRCC.

This abstract provides updated survival and clinical data of these combination studies with cG250.

Methods:

Patients with stage IV ccRCC, nephrectomized for the primary tumor, and in progression at study entry were included in the study. In both trials cG250 was administered intravenously weekly from week 2 to 12. In addition, patients were treated with low dose cytokine treatment from week 1 to 12. At week 16 patients evaluated for clinical response were stratified into 2 groups: a) clinical responders into the extended treatment group to receive treatment for an additional 6 weeks, or b) clinical non-responders into the discontinued group.

Results:

In the combination study with IL-2 35 patients were treated. One out of 30 evaluable patients showed partial remission for at least 8 months. 11 patients had stable disease in week 16; of which 6 patients had durable stable disease of 24 weeks or longer. Clinical benefit, defined as the sum of complete or partial responses and patients with stable disease of ≥ 24 weeks, was obtained in 23% (7/30) patients. Newest data showed a median overall survival of 22 months and a 2 year survival of 45%. Patients receiving extended treatment showed a longer 2 year survival rate than discontinued patients (55% vs. 25%: p=0.0062)

For the IFN combination study 26 out of 31 treated patients were evaluable for response to treatment. Two patients showed partial remission and 14 patients had stable disease in week 16. One patient experienced partial remission for at least 8 months. Nine patients had durable stable disease of 24 weeks or longer. Clinical benefit was obtained in 42% (11/26) patients. The median overall survival achieved was 30 months and the 2 year survival was 57%. Patients receiving extended treatment showed a significantly longer 2 year survival rate than discontinued patients (79% vs. 30%; p=0.0083).

Conclusion:

The treatment with the antibody cG250 in combination with the cytokines IL-2 or IFN α-2a showed clinical meaningful tumor responses and disease stabilizations and are of clinical benefit for this metastatic ccRČC patient population. The long term overall survival data is encouraging and warrants further investigation in controlled randomized studies.

^{*} Temporary name while under development

Kidney Cancer Symposium in Chicago (12.-13. Oktober 2007).

REVIEW OF THE MONOCLONAL ANTIBODY cG250 (RENCAREX®*) ALONE OR IN COMBINATION WITH IL-2 OR IFNα-2a IN METASTATIC RENAL CELL CARCINOMA PATIENTS

N. Neville¹, P. Kloepfer¹, P. Bevan¹, C. Mala¹, J Beck², R. Hofmann³, M. Kindler⁴, A. Knuth⁵, P. Mulders⁶, M. Siebels⁷, G. Stoter⁸, R. Oberneder⁷

Wilex AG, Munich, Germany, *Department of Hematology/Oncology, Johannes-Gutenberg-Universität Mainz, Germany, *Department of Urology, Philipse-University-Marburg, Germany, *Onkologische Schwerpunkfpraxis, Berlin, Germany, *Hospital Northwest, FrankfurMahn, *Department of Urology, University Medical Certer Nijmogen, Netherlandsr; *Department of Urology, Klinikum Großhadern, Ludwig-Masimilians-University, Munich, Germany, *Department Medical Oncology; Rotterdam Cancer Institute, Daniel den Hoek Klinika, *The Netherlands

Dackground

G0250 is a chimeric monoclonal antibody (igG1) that binds to the cell surface antigen carboxyanhydrase CA-IX expressed on 95% of clear cell Renal Cell Cancer (ccRCC) cells but not on normal kidney itssue, and elicits antibody dependent cellular cytotoxicity (ADCC). Three multi-center, cpen-label, prospective, single-arm phase I/II trials were completed of cG250 monotherapy or in combination with low dose (LD) interleukin-2 (IL-2) or Interferion (IFN)α-2a. Here we provide updated survival and clinical data of these three studies with cG350.

Methods:

Patients with stage IV coRCC, nephreetomized for the primary tumor, and in progression at study entry were included. In the monotherapy study co250 was given intravenously (iv) at a dose of 50 mg per week (week 1-12). In the combination trials 20 mg of co250 weekly (week 2-12) was combined with LD subcutaneous injections (s.c) of IL-2; (1.8 – 5.4 MIU/Gay) or with LD s.c. IFNo-2a (3 MIU, 3 times per week). LD cytokines were administered from week 1 to 12.4 week 16 patients were evaluated for clinical response and stratified into 2 groups: 1) the extended treatment group, including clinical responders (and non-responsive patients if further treatment was considered clinically useful by the investigator). These patients were treated for an additional 8 weeks in the monotherapy trial, or 6 weeks in the combination trials or; 2) the progressive group, which received no further treatment.

Results

In the monotherapy study 32 of 36 included patients were evaluable for response to treatment, eleven of whom showed stable disease (SD) in week 16. One patient experienced a minor response in week 44 and another patient a complete response (CR) in week 38. Clinical benefit defined as a complete or partial response or SD lasting 24 weeks or longer, was observed in 28% (9/28) of the patients. The median survival was 15 months, and the 2 year survival was 41% of the evaluable patients. Patients receiving extended treatment with c9250 for a further 8 weeks showed a median survival of 39 months, compared to 10 months in the discontinued group, 2007 or 30% of patients in the extended group were still alive after 2 years, whereas only 28% of the discontinued group survived longer than 2 years (p=0.01).

In the **combination study with IL-2** 35 patients were treated. One out of the 30 evaluable patients showed partial remission for at least 8 months. Eleven patients had stable disease in week 16, six of whom had durable stable disease lasting 24 weeks or longer. Clinical benefit was observed in 23% (7/30) patients. A median overall survival of 22 months and a 2 year survival of 45% were noted. Patients receiving extended treatment showed a longer 2 year survival than discontinued patients (55% vs. 25%; p=0.0062).

For the IFN combination study 26 out of 31 treated patients were evaluable for response to treatment. Two patients showed partial remission and 14 patients had stable disease in week 16. One patient experienced partial remission for at least 8 months. Nine patients had durable stable disease of 24 weeks or longer. Clinical benefit was obtained in 42% (11/26) patients. The median overall survival achieved was 30 months and the 2 year survival was 57%. Patients receiving extended treatment showed a significantly longer 2 year survival rate than discontinued patients (79% vs. 30%; p=0.0083).

Conclusion:

Non-t-term treatment with the antibody cG250 either as monotherapy or in combination with the cytokines IL-2 or IFN α-2a led to clinically meaningful turnor disease stabilization and demonstrated clinical benefit in this pretreated, progressive metastatic ccRCC patient population. The long term overall survival data are encouraging and warrant further investigation in controlled randomized studies.

^{*} Temporary name while under development

REVIEW OF THE MONOCLONAL ANTIBODY 59250 (RENCAREX®) ALONE OR IN COMBINA WITH IL2 OR IFN 2-24 IN METASTATIC RENAL CELL CARGINOMA PATIENTS

N heville: P. Monpfer: E. Bevan, C. Mad. J. Beck. R. Hofmann, M. Kindler, A. Knuth: P. Muldess; W. Siebels: G. Stober, B. Ob





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Figure 3

The monothampy trial showed a moden overall survival of 15 months with 41% of the 32 evaluatio patients still alive after 2 years. (Figure 1).

Known standard therepy that is polantially curative or definitiely capable of extending life

Patients with bone m

MAIN EXCLUSION CRITERIA

been shown that GC250 can include natural killer (NK) cells to kill tumor cells in who vis antibody dependent cellular cytologicity (ADCC). cember, open-labid, prospective, single-arm finits were completed, cG250 was given anotherapy or in combination with low dose

In the Ever, astrocytes in the brain and to the spinal cord. Braides efficient blo-localization in ccRCC, if has

The reactivity of eG250 with normal tissues

Di-dimensionally measurable disease with andwidual lesions 5 cm in dameter with at least

Stage IV ccRCC, nephrecionized for parties Kamofsky performance stelus 2 80 %

od250 (Rancarax*) is an IgG1 kappe light-chain climbin memodanta aribody that binds to carbonic anhydrate K (GAX), a celevatine a mignin from 50% of cels is deav cell renal celevations (CORO).

Patient selection MAIN INCLUSION CRITERIA

ntroduction

In the FNe-combination study 25 of 31 patients were evaluable for t. Two patients showed a PR and 14 patients patient experienced a partial remission for at east 8 months and 9 patients had long durable disease justification at 24 weeks). Cárical benefit was obtained in 42% (1925) of the





(additional 8 weeks of treatment)

The extended

TUMOR RESPONSE

pat, was never treated), and in the IPNo combination stall 32 patients for 12 weeks of treatment (also here 1 patient was never treated). Three Phase III. prospective, non-randomized open-label, single arm, multi-center shudge is pallants with metastatic coRCC.

At weak 16 and 22 patients were evaluated response and stratified into In the monotherapy 36 petients were include treatment, in the IL-2 combination trial 36 patie

Results

immenogenicity Ournan

response, toxicity

Objectives Lymphangiosis caroling Pre-emposine to

This poster reports updated survival and clinical date from these three studies with c G250.

Study design

(LD) Interfeuidin-2 (IL-2) or Interferon (IFN)a-2a.

anti-chimeric: antiboditos - HACA), biologios activity (antibody dependent celular cytotoxicity ADCC), tena to progression, overall survival

have morth intervals after the end of treatment by an endependent rediciogst. In all studies patients had either low or intermediate risk based on atlent experienced a minor nationals in week, 44

arapy trial 32 of 36 patients were

Med for cess



 The demonstrated anti-tumor activity associated with a goo-clinical benefit rate and a protonged medine survival in this difficult to-best group of propositive metastrate recall cell cardinoms patients warrant futber freedocks. An anternational, randomized, placebo-confrolled phase IIII clinical shorty is evaluating cG250 vs. placebo in the adjuvent setting in politents at high risk of recurrence after record naphredemy.

Phase III Trial Underway

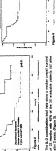
GG250 both elone and in combination with It.2 and IFN o

an encouraging axiamism of survival of 15, 22 and 30 months respectively.

Weekly administrators of 50mg or 20 mg e0250 law dose cytoklass were safe and very well toleraked







in the IL-2 combination study 30 of 35 patients

I'N S. S.C.

Mass Conto

Freatment

week 38. Citrical benefit, defined as CR + PR SD 2.24 weeks), was obtained in 28% (9/28)



Study IND number: 88-IND11346